# EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 88 | inter$1carrier near2 (interference or distortion or noise) and (difference or subtract$3) and OFDM and "455"/$.ccls. | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L2 | 6807413 | @ad<="200041014" | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L3 | 88 | L1 and L2 | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L4 | 1675 | spatial near4 derivative | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L5 | 1424 | L4 and (subtract$3 or difference) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L6 | 1330057 | L5 and inter$1carrier (noise or interference or distortion) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L7 | 1 | L5 and inter$1carrier near2 (noise or interference or distortion) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L8 | 209810 | L4 and "455"/$.ccls. or "370"/$.ccls. or "375"/$.ccls. | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L9 | 44 | L4 and ("455"/$.ccls. or "370"/$.ccls. or "375"/$.ccls.) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L10 | 2736 | 455/137.ccls. or 455/132.ccls. or 455/295.ccls. or 455/296. ccls. or 455/297.ccls. | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L11 | 14 | L10 and (subtract$3 or difference) and inter$1carrier near4 (noise or distortion or interference) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L12 | 69 | (subtract$3 or difference) and inter$1carrier near4 (noise or distortion or interference) and second near2 antenna | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L13 | 3593 | 455/272.ccls. or 455/273.ccls. or 455/275.ccls. or 455/276.1. ccls. or 455/278.1.ccls. or 455/283.ccls. or 455/284.ccls. or 455/295.ccls. or 455/296. ccls. or 455/297.ccls. or 455/303.ccls. | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L14 | 4443101 | @ad<="20030903" | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L15 | 2055 | L13 and L14 | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |

| L16 | 571 | L15 and diversity | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
|-----|-----|-------------------|-----------------|-----|-----|------------------|
| L17 | 346 | L16 and difference | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L18 | 1 | L17 and (ICI or (inter$1carrier adj interference)) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L19 | 8 | L15 and (ICI or (inter$1carrier adj interference)) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L20 | 892 | difference and (ICI or (inter $1carrier adj interference)) and diversity | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L21 | 401 | L20 and L14 | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L22 | 10 | L21 and second near4 antenna | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L23 | 1 | "6397067".pn. | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L24 | 1 | "6134262".pn. | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L25 | 88 | inter$1carrier near2 (interference or distortion or noise) and (difference or subtract$3) and OFDM and "455"/$.ccls. | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L26 | 6807413 | @ad<="200041014" | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L27 | 88 | L25 and L26 | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L28 | 1675 | spatial near4 derivative | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L29 | 1424 | L28 and (subtract$3 or difference) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L30 | 1330057 | L29 and inter$1carrier (noise or interference or distortion) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L31 | 1 | L29 and inter$1carrier near2 (noise or interference or distortion) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L32 | 209810 | L28 and "455"/$.ccls. or "370"/ $.ccls. or "375"/$.ccls. | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L33 | 44 | L28 and ("455"/$.ccls. or "370"/ $.ccls. or "375"/$.ccls.) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L34 | 2736 | 455/137.ccls. or 455/132.ccls. or 455/295.ccls. or 455/296. ccls. or 455/297.ccls. | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L35 | 14 | L34 and (subtract$3 or difference) and inter$1carrier near4 (noise or distortion or interference) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |

| L36 | 69 | (subtract$3 or difference) and inter$1carrier near4 (noise or distortion or interference) and second near2 antenna | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L37 | 3593 | 455/272.ccls. or 455/273.ccls. or 455/275.ccls. or 455/276.1. ccls. or 455/278.1.ccls. or 455/283.ccls. or 455/284.ccls. or 455/295.ccls. or 455/296. ccls. or 455/297.ccls. or 455/303.ccls. | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L38 | 4443101 | @ad<="20030903" | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L39 | 2055 | L37 and L38 | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L40 | 571 | L39 and diversity | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L41 | 346 | L40 and difference | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L42 | 1 | L41 and (ICI or (inter$1carrier adj interference)) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L43 | 8 | L39 and (ICI or (inter$1carrier adj interference)) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L44 | 892 | difference and (ICI or (inter $1carrier adj interference)) and diversity | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L45 | 401 | L44 and L38 | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L46 | 10 | L45 and second near4 antenna | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L47 | 1 | "6397067".pn. | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L48 | 1 | "6134262".pn. | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L49 | 3 | (motion or moving or mobile) near4 (radio or reciever) and spatial near2 derivative same (distortion or interference or noise) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L50 | 198 | spatial near2 derivative same (distortion or interference or noise) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L51 | 6807413 | @ad<="200041014" | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L52 | 198 | L50 and L51 | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L53 | 6 | L52 and ("455"/$.ccls. or "370"/ $.ccls.) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |

| L54 | 5179521 | second (fourier near2 transform $5 or FFT) and second near2 antenna and (distortion or noise or interference) near4 (mitigat$3 or cancel$5 or reduc $4 or eliminat$3) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
|---|---|---|---|---|---|---|
| L55 | 68 | second near2 (fourier near2 transform$5 or FFT) and second near2 antenna and (distortion or noise or interference) near4 (mitigat$3 or cancel$5 or reduc$4 or eliminat$3) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L56 | 68 | L55 and L51 | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L57 | 6 | channel adj transfer same (time or temporal) near2 derivative | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L58 | 6 | L57 and L51 | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L59 | 4443101 | @ad<="20030903" | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L60 | 1 | L59 and L57 | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L61 | 327459 | (distortion or noise or interference) near4 (mitigat$3 or cancel$5 or reduc$4 or eliminat$3) or ICI and (time or temporal) near2 derivative | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L62 | 2534 | ((distortion or noise or interference) near4 (mitigat$3 or cancel$5 or reduc$4 or eliminat$3) or ICI) and (time or temporal) near2 derivative | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L63 | 1 | L62 and L49 | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L64 | 4849 | L59 and ofdm | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L65 | 246 | L64 and ICI | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L66 | 8 | L65 and second adj antenna | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L67 | 506 | L64 and second near4 antenna | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L68 | 29 | second adj antenna near4 (adder or subtractor) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L69 | 21 | L68 and L59 | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |

| L70 | 2837 | second near2 antenna with (adder or addition or additive or subtractor or subtracting or subtraction or sum or summing or summation or combin$4) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
|-----|------|------|------|----|----|------|
| L71 | 1221 | L70 and L59 | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L72 | 327595 | (distortion or noise or interference or ICI) near4 (mitigat$3 or cancel$5 or reduc$4 or eliminat$3) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L73 | 337 | L71 and L72 | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L74 | 17 | rake adj antenna | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L75 | 14 | ("5260711").URPN. | USPAT | OR | ON | 2010/03/23 16:50 |
| L76 | 5 | ("4204655" \| "4656642" \| "4888593" \| "5041836" \| "5107273").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/23 16:50 |
| L77 | 42 | ("4888593").URPN. | USPAT | OR | ON | 2010/03/23 16:50 |
| L78 | 2 | ("3699444" \| "4044359").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/23 16:50 |
| L79 | 26 | ("5125108").URPN. | USPAT | OR | ON | 2010/03/23 16:50 |
| L80 | 41 | (time or temporal) near4 derivative near4 (channel or transfer) near4 function | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L81 | 4 | L80 and diversity | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L82 | 774 | direction near4 motion and diversity | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L83 | 40 | L82 and second near4 antenna | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L84 | 1176 | (dvb or dvb$1t) and diversity | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L85 | 206 | L84 and second near4 antenna | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L86 | 1565 | (signal near4 (noise or distortion) or ICI) and second near4 antenna with (subtract$3 or differ$4) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L87 | 6807413 | @ad<="200041014" | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L88 | 1565 | L86 and L87 | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L89 | 4443101 | @ad<="20030903" | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |

| L90 | 1433850 | @rlad<="20030903" | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
|-----|---------|-------------------|-----------------|-----|-----|-------------------|
| L91 | 344 | L86 and L90 | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L92 | 23 | ("20020008656" \| "4565996" \| "4595915" \| "4728955" \| "4739328" \| "5510795" \| "5552788" \| "5572220" \| "5592181" \| "5648767" \| "5657027" \| "5675342" \| "5701127" \| "5710566" \| "5751227" \| "5790052" \| "5952922" \| "6046683" \| "6137411" \| "6169519" \| "6184841" \| "6437706" \| "6476756").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/23 16:50 |
| L93 | 709 | L86 and L89 | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L94 | 513 | L93 not L91 | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L95 | 20 | ("5117505").URPN. | USPAT | OR | ON | 2010/03/23 16:50 |
| L96 | 269 | (cancel or reduce or mitigate or attenuate) near4 (ICI or distortion or noise or interference) and second near4 antenna near4 (subtract or difference or sum or summation or summing or combine or combining or subtracting or subtraction) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L97 | 4 | 2003/0207688 | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L98 | 2 | "20030207688" | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L99 | 134 | L96 and L89 | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L100 | 3037 | microwave near4 (radio or rf) and radar | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L101 | 1723 | L100 and L89 | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L102 | 1207 | "spatial derivative" | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L103 | 0 | L102 and diversitty | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L104 | 16 | L102 and diversity | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L105 | 23092 | "spatial" near4 (derivative or filter$3) | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L106 | 949 | L105 and diversity | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |

| L107 | 198 | L106 and "455"/$.ccls. | US-PGPUB;<br>USPAT | OR | ON | 2010/03/23<br>16:50 |
|------|-----|------------------------|--------------------|----|----|---------------------|
| L120 | 299 | (US-5774795-$ or US-5952897-$ or US-6177906-$ or US-4364048-$ or US-4856084-$ or US-5184076-$ or US-5296866-$ or US-5361074-$ or US-5486830-$ or US-5828331-$ or US-4291310-$ or US-4322857-$ or US-4439770-$ or US-4791390-$ or US-4800369-$ or US-4857935-$ or US-4931977-$ or US-4974086-$ or US-5014061-$ or US-5461386-$ or US-5486833-$ or US-5561430-$ or US-5659300-$ or US-5708443-$ or US-5969332-$ or US-6023203-$).did. or (US-6037903-$ or US-6058318-$ or US-6115409-$ or US-6166683-$ or US-6188348-$ or US-6201841-$ or US-4245348-$ or US-4245334-$ or US-4268829-$ or US-4283767-$ or US-4320523-$ or US-4326289-$ or US-4353068-$ or US-4359738-$ or US-4412341-$ or US-4446433-$ or US-4493111-$ or US-4509209-$ or US-4510490-$ or US-4510489-$ or US-4528566-$ or US-4529984-$ or US-4539710-$ or US-4575709-$ or US-4602274-$ or US-4604626-$ or US-4620315-$).did. or (US-4622543-$ or US-4631495-$ or US-4766384-$ or US-4788501-$ or US-4801941-$ or US-4810980-$ or US-4825214-$ or US-4857852-$ or US-4862182-$ or US-4874319-$ or US-4880212-$ or US-4939766-$ or US-4942534-$ or US-4991585-$ or US-4999636-$ or US-5003911-$ or US-5208756-$ or US-5280641-$ or US-5302957-$ or US-5317266-$ or US-5349700-$ or US-5351057-$ or US-5398276-$ or US-5410750-$ or US-5420568-$ or US-5430378-$ or US-5440310-$).did. or (US-5450089-$ or US-5465408-$ or US-5471196-$ or US-5473252-$ or US-5473333-$ or US-5475442-$ or US-5493307-$ or US-5532699-$ or US-5546081-$ or US-5548837-$ or US-5552792-$ or US-5563617-$ or | USPAT | OR | ON | 2010/03/23<br>16:50 |

US-5564421-$ or US-5583504-
$ or US-5600246-$ or US-
5620480-$ or US-5675424-$ or
US-5686928-$ or US-5694133-
$ or US-5697083-$ or US-
5699802-$ or US-5732332-$ or
US-5757439-$ or US-5760734-
$ or US-5787126-$ or US-
5796366-$ or US-5809058-$).
did. or (US-5812612-$ or US-
5815076-$ or US-5819168-$ or
US-5819161-$ or US-5818389-
$ or US-5832044-$ or US-
5850200-$ or US-5856639-$ or
US-5894598-$ or US-5907302-
$ or US-5907582-$ or US-
5920285-$ or US-5924020-$ or
US-5930697-$ or US-5940291-
$ or US-5950112-$ or US-
5952818-$ or US-5963583-$ or
US-5969682-$ or US-5970085-
$ or US-5982336-$ or US-
5987037-$ or US-5990750-$ or
US-5995006-$ or US-6011962-
$ or US-6014413-$ or US-
6021318-$).did. or (US-
6049315-$ or US-6052378-$ or
US-6057806-$ or US-6058105-
$ or US-6058297-$ or US-
6061387-$ or US-6061631-$ or
US-6084545-$ or US-6111416-
$ or US-6118084-$ or US-
6122083-$ or US-6121934-$ or
US-6128557-$ or US-6127986-
$ or US-6127981-$ or US-
6130645-$ or US-6137785-$ or
US-6144340-$ or US-6157685-
$ or US-6163296-$ or US-
6163754-$ or US-6172970-$ or
US-6201955-$ or US-6236372-
$ or US-6239721-$ or US-
6240367-$ or US-4244036-$).
did. or (US-4255816-$ or US-
4255791-$ or US-4268828-$ or
US-4278978-$ or US-4295155-
$ or US-4301454-$ or US-
4303922-$ or US-4303921-$ or
US-4306500-$ or US-4308535-
$ or US-4309773-$ or US-
4314378-$ or US-4315260-$ or
US-4317213-$ or US-4318109-
$ or US-4319248-$ or US-
4321601-$ or US-4326294-$ or
US-4328589-$ or US-4331958-
$ or US-4332032-$ or US-
4333076-$ or US-4336542-$ or
US-4347627-$ or US-4350985-
$ or US-4352200-$ or US-

4355312-$).did. or (US-
4355411-$ or US-4359734-$ or
US-4360741-$ or US-4360813-
$ or US-4366450-$ or US-
4369521-$ or US-4373210-$ or
US-4376952-$ or US-4378596-
$ or US-4380014-$ or US-
4382259-$ or US-4384331-$ or
US-4387373-$ or US-4397036-
$ or US-4398303-$ or US-
4408205-$ or US-4414687-$ or
US-4417279-$ or US-4429415-
$ or US-4433336-$ or US-
4434440-$ or US-4443790-$ or
US-4450419-$ or US-4451108-
$ or US-4461034-$ or US-
4462098-$ or US-4463308-$).
did. or (US-4464662-$ or US-
4470046-$ or US-4469386-$ or
US-4473755-$ or US-4475715-
$ or US-4491972-$ or US-
4491971-$ or US-4494076-$ or
US-4495653-$ or US-4495851-
$ or US-4498885-$ or US-
4506385-$ or US-RE31851-$ or
US-4509204-$ or US-4511842-
$ or US-4516126-$ or US-
4519096-$ or US-4519003-$ or
US-4518958-$ or US-4520507-
$ or US-4520361-$ or US-
4525869-$ or US-4527160-$ or
US-4532543-$ or US-4532501-
$ or US-4533916-$ or US-
4538175-$).did. or (US-
4542532-$ or US-4544926-$ or
US-4549310-$ or US-4562465-
$ or US-4567591-$ or US-
4573212-$ or US-4574242-$ or
US-4577226-$ or US-4580287-
$ or US-4584709-$ or US-
4586051-$ or US-4594595-$ or
US-4596986-$ or US-4603297-
$ or US-4608701-$ or US-
4609905-$ or US-4613862-$ or
US-4621266-$ or US-4622554-
$ or US-4625210-$ or US-
4626857-$ or US-4626853-$ or
US-4628321-$ or US-4628320-
$ or US-4630119-$ or US-
4631543-$ or US-4631473-$).
did. or (US-4755828-$ or US-
4757322-$ or US-4758839-$ or
US-4758841-$ or US-4763074-
$ or US-4763082-$ or US-
4766383-$ or US-4769853-$ or
US-4771287-$ or US-4777438-
$ or US-4777491-$ or US-
4779620-$ or US-4780721-$ or

| | | US-4782307-$ or US-4789897-$ or US-4792760-$ or US-4792991-$ or US-4792992-$ or US-4794400-$ or US-4794929-$ or US-4801940-$ or US-4805229-$ or US-4811031-$ or US-4816766-$ or US-4816834-$ or US-4819053-$ or US-4819069-$).did. or (US-4821120-$ or US-4823134-$ or US-4831384-$).did. | | | | |
|---|---|---|---|---|---|---|
| L121 | 0 | L120 and L102 | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L122 | 45 | L120 and spatial | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L123 | 7 | 455/297.ccls. and 455/278.1. ccls. | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| L124 | 404 | 455/278.1.ccls. | US-PGPUB; USPAT | OR | ON | 2010/03/23 16:50 |
| S1 | 40 | inter$1carrier near2 (interference or distortion or noise) and (difference or subtract$3) and OFDM and "455"/$.ccls. | US-PGPUB; USPAT | OR | ON | 2007/08/30 10:02 |
| S2 | 5496284 | @ad<="200041014" | US-PGPUB; USPAT | OR | ON | 2007/08/23 15:24 |
| S3 | 40 | S1 and S2 | US-PGPUB; USPAT | OR | ON | 2007/08/23 15:34 |
| S4 | 1170 | spatial near4 derivative | US-PGPUB; USPAT | OR | ON | 2007/08/23 15:36 |
| S5 | 985 | S4 and (subtract$3 or difference) | US-PGPUB; USPAT | OR | ON | 2007/08/23 15:35 |
| S6 | 1038920 | S5 and inter$1carrier (noise or interference or distortion) | US-PGPUB; USPAT | OR | ON | 2007/08/23 15:36 |
| S7 | 1 | S5 and inter$1carrier near2 (noise or interference or distortion) | US-PGPUB; USPAT | OR | ON | 2007/08/23 15:36 |
| S8 | 137258 | S4 and "455"/$.ccls. or "370"/$. ccls. or "375"/$.ccls. | US-PGPUB; USPAT | OR | ON | 2007/08/23 15:37 |
| S9 | 19 | S4 and ("455"/$.ccls. or "370"/$.ccls. or "375"/$.ccls.) | US-PGPUB; USPAT | OR | ON | 2007/08/23 15:51 |
| S10 | 2130 | 455/137.ccls. or 455/132.ccls. or 455/295.ccls. or 455/296. ccls. or 455/297.ccls. | US-PGPUB; USPAT | OR | ON | 2007/08/23 15:52 |
| S11 | 8 | S10 and (subtract$3 or difference) and inter$1carrier near4 (noise or distortion or interference) | US-PGPUB; USPAT | OR | ON | 2007/08/23 15:57 |
| S12 | 29 | (subtract$3 or difference) and inter$1carrier near4 (noise or distortion or interference) and second near2 antenna | US-PGPUB; USPAT | OR | ON | 2007/08/23 15:58 |

| S13 | 2927 | 455/272.ccls. or 455/273.ccls. or 455/275.ccls. or 455/276.1. ccls. or 455/278.1.ccls. or 455/283.ccls. or 455/284.ccls. or 455/295.ccls. or 455/296. ccls. or 455/297.ccls. or 455/303.ccls. | US-PGPUB; USPAT | OR | ON | 2007/08/30 10:03 |
|---|---|---|---|---|---|---|
| S14 | 4381373 | @ad<="20030903" | US-PGPUB; USPAT | OR | ON | 2007/08/30 10:04 |
| S15 | 1990 | S13 and S14 | US-PGPUB; USPAT | OR | ON | 2007/08/30 10:06 |
| S16 | 550 | S15 and diversity | US-PGPUB; USPAT | OR | ON | 2007/08/30 10:13 |
| S17 | 331 | S16 and difference | US-PGPUB; USPAT | OR | ON | 2007/08/30 10:13 |
| S18 | 0 | S17 and (ICI or (inter$1carrier adj interference)) | US-PGPUB; USPAT | OR | ON | 2007/08/30 10:14 |
| S19 | 7 | S15 and (ICI or (inter$1carrier adj interference)) | US-PGPUB; USPAT | OR | ON | 2007/08/30 10:56 |
| S20 | 615 | difference and (ICI or (inter $1carrier adj interference)) and diversity | US-PGPUB; USPAT | OR | ON | 2007/08/30 10:56 |
| S21 | 367 | S20 and S14 | US-PGPUB; USPAT | OR | ON | 2007/08/30 10:56 |
| S22 | 8 | S21 and second near4 antenna | US-PGPUB; USPAT | OR | ON | 2007/08/30 11:12 |
| S23 | 1 | "6397067".pn. | US-PGPUB; USPAT | OR | ON | 2007/08/30 11:13 |
| S24 | 1 | "6134262".pn. | US-PGPUB; USPAT | OR | ON | 2007/08/30 11:13 |
| S25 | 52 | inter$1carrier near2 (interference or distortion or noise) and (difference or subtract$3) and OFDM and "455/$.ccls. | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |
| S26 | 5741087 | @ad<="200041014" | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |
| S27 | 52 | S25 and S26 | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |
| S28 | 1269 | spatial near4 derivative | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |
| S29 | 1073 | S28 and (subtract$3 or difference) | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |
| S30 | 1092901 | S29 and inter$1carrier (noise or interference or distortion) | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |
| S31 | 1 | S29 and inter$1carrier near2 (noise or interference or distortion) | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |
| S32 | 159281 | S28 and "455/$.ccls. or "370"/ $.ccls. or "375"/$.ccls. | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |

| S33 | 33 | S28 and ("455"/$.ccls. or "370"/$.ccls. or "375"/$.ccls.) | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |
|-----|-----|-----|-----|-----|-----|-----|
| S34 | 2232 | 455/137.ccls. or 455/132.ccls. or 455/295.ccls. or 455/296.ccls. or 455/297.ccls. | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |
| S35 | 10 | S34 and (subtract$3 or difference) and inter$1carrier near4 (noise or distortion or interference) | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |
| S36 | 35 | (subtract$3 or difference) and inter$1carrier near4 (noise or distortion or interference) and second near2 antenna | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |
| S37 | 3046 | 455/272.ccls. or 455/273.ccls. or 455/275.ccls. or 455/276.1.ccls. or 455/278.1.ccls. or 455/283.ccls. or 455/284.ccls. or 455/295.ccls. or 455/296.ccls. or 455/297.ccls. or 455/303.ccls. | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |
| S38 | 4400464 | @ad<="20030903" | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |
| S39 | 2010 | S37 and S38 | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |
| S40 | 557 | S39 and diversity | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |
| S41 | 335 | S40 and difference | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |
| S42 | 1 | S41 and (ICI or (inter$1carrier adj interference)) | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |
| S43 | 8 | S39 and (ICI or (inter$1carrier adj interference)) | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |
| S44 | 661 | difference and (ICI or (inter $1carrier adj interference)) and diversity | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |
| S45 | 380 | S44 and S38 | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |
| S46 | 8 | S45 and second near4 antenna | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |
| S47 | 1 | "6397067".pn. | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |
| S48 | 1 | "6134262".pn. | US-PGPUB; USPAT | OR | ON | 2008/02/28 17:12 |
| S49 | 1 | (motion or moving or mobile) near4 (radio or reciever) and spatial near2 derivative same (distortion or interference or noise) | US-PGPUB; USPAT | OR | ON | 2008/07/09 09:36 |
| S50 | 151 | spatial near2 derivative same (distortion or interference or noise) | US-PGPUB; USPAT | OR | ON | 2008/07/09 09:37 |

| S51 | 5922968 | @ad<="200041014" | US-PGPUB; USPAT | OR | ON | 2008/07/09 09:37 |
|-----|---------|------------------|-----------------|-----|-----|------------------|
| S52 | 151 | S50 and S51 | US-PGPUB; USPAT | OR | ON | 2008/07/09 09:37 |
| S53 | 3 | S52 and ("455"/$.ccls. or "370"/$.ccls.) | US-PGPUB; USPAT | OR | ON | 2008/07/09 09:38 |
| S54 | 4461782 | second (fourier near2 transform $5 or FFT) and second near2 antenna and (distortion or noise or interference) near4 (mitigat$3 or cancel$5 or reduc $4 or eliminat$3) | US-PGPUB; USPAT | OR | ON | 2008/07/09 09:47 |
| S55 | 56 | second near2 (fourier near2 transform$5 or FFT) and second near2 antenna and (distortion or noise or interference) near4 (mitigat$3 or cancel$5 or reduc$4 or eliminat$3) | US-PGPUB; USPAT | OR | ON | 2008/07/09 09:48 |
| S56 | 56 | S55 and S51 | US-PGPUB; USPAT | OR | ON | 2008/07/09 09:49 |
| S57 | 6 | channel adj transfer same (time or temporal) near2 derivative | US-PGPUB; USPAT | OR | ON | 2008/07/09 10:10 |
| S58 | 6 | S57 and S51 | US-PGPUB; USPAT | OR | ON | 2008/07/09 10:10 |
| S59 | 4412992 | @ad<="20030903" | US-PGPUB; USPAT | OR | ON | 2008/07/09 10:12 |
| S60 | 1 | S59 and S57 | US-PGPUB; USPAT | OR | ON | 2008/07/09 10:12 |
| S61 | 275994 | (distortion or noise or interference) near4 (mitigat$3 or cancel$5 or reduc$4 or eliminat$3) or ICI and (time or temporal) near2 derivative | US-PGPUB; USPAT | OR | ON | 2008/07/09 10:14 |
| S62 | 2183 | ((distortion or noise or interference) near4 (mitigat$3 or cancel$5 or reduc$4 or eliminat$3) or ICI) and (time or temporal) near2 derivative | US-PGPUB; USPAT | OR | ON | 2008/07/09 10:15 |
| S63 | 1 | S62 and S49 | US-PGPUB; USPAT | OR | ON | 2008/07/09 10:16 |
| S64 | 4562 | S59 and ofdm | US-PGPUB; USPAT | OR | ON | 2008/07/09 10:16 |
| S65 | 229 | S64 and ICI | US-PGPUB; USPAT | OR | ON | 2008/07/09 10:16 |
| S66 | 8 | S65 and second adj antenna | US-PGPUB; USPAT | OR | ON | 2008/07/09 10:16 |
| S67 | 473 | S64 and second near4 antenna | US-PGPUB; USPAT | OR | ON | 2008/07/09 10:17 |

| S68 | 25 | second adj antenna near4 (adder or subtractor) | US-PGPUB; USPAT | OR | ON | 2008/07/09 10:25 |
|-----|-----|-----|-----|-----|-----|-----|
| S69 | 20 | S68 and S59 | US-PGPUB; USPAT | OR | ON | 2008/07/09 10:25 |
| S70 | 2136 | second near2 antenna with (adder or addition or additive or subtractor or subtracting or subtraction or sum or summing or summation or combin$4) | US-PGPUB; USPAT | OR | ON | 2008/07/09 10:30 |
| S71 | 1200 | S70 and S59 | US-PGPUB; USPAT | OR | ON | 2008/07/09 10:30 |
| S72 | 276096 | (distortion or noise or interference or ICI) near4 (mitigat$3 or cancel$5 or reduc$4 or eliminat$3) | US-PGPUB; USPAT | OR | ON | 2008/07/09 10:31 |
| S73 | 331 | S71 and S72 | US-PGPUB; USPAT | OR | ON | 2008/07/09 10:31 |
| S74 | 14 | rake adj antenna | US-PGPUB; USPAT | OR | ON | 2008/07/09 10:51 |
| S75 | 12 | ("5260711").URPN. | USPAT | OR | ON | 2008/07/09 11:11 |
| S76 | 5 | ("4204655" | "4656642" | "4888593" | "5041836" | "5107273").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/09 11:12 |
| S77 | 38 | ("4888593").URPN. | USPAT | OR | ON | 2008/07/09 11:13 |
| S78 | 2 | ("3699444" | "4044359").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/07/09 11:16 |
| S79 | 24 | ("5125108").URPN. | USPAT | OR | ON | 2008/07/09 11:17 |
| S80 | 38 | (time or temporal) near4 derivative near4 (channel or transfer) near4 function | US-PGPUB; USPAT | OR | ON | 2009/02/20 13:07 |
| S81 | 4 | S80 and diversity | US-PGPUB; USPAT | OR | ON | 2009/02/20 13:08 |
| S82 | 677 | direction near4 motion and diversity | US-PGPUB; USPAT | OR | ON | 2009/02/20 13:11 |
| S83 | 36 | S82 and second near4 antenna | US-PGPUB; USPAT | OR | ON | 2009/02/20 13:11 |
| S84 | 766 | (dvb or dvb$11) and diversity | US-PGPUB; USPAT | OR | ON | 2009/02/20 13:40 |
| S85 | 146 | S84 and second near4 antenna | US-PGPUB; USPAT | OR | ON | 2009/02/20 13:41 |
| S86 | 1277 | (signal near4 (noise or distortion) or ICI) and second near4 antenna with (subtract$3 or differ$4) | US-PGPUB; USPAT | OR | ON | 2009/02/24 10:11 |
| S87 | 6243131 | @ad<="200041014" | US-PGPUB; USPAT | OR | ON | 2009/02/24 10:12 |

| S88 | 1277 | S86 and S87 | US-PGPUB; USPAT | OR | ON | 2009/02/24 10:12 |
|-----|------|-------------|-----------------|-----|-----|------------------|
| S89 | 4426907 | @ad<="20030903" | US-PGPUB; USPAT | OR | ON | 2009/02/24 10:12 |
| S90 | 1383713 | @rlad<="20030903" | US-PGPUB; USPAT | OR | ON | 2009/02/24 10:12 |
| S91 | 312 | S86 and S90 | US-PGPUB; USPAT | OR | ON | 2009/02/24 10:13 |
| S92 | 23 | ("20020008656" \| "4565996" \| "4595915" \| "4728955" \| "4739328" \| "5510795" \| "5552788" \| "5572220" \| "5592181" \| "5648767" \| "5657027" \| "5675342" \| "5701127" \| "5710566" \| "5751227" \| "5790052" \| "5952922" \| "6046683" \| "6137411" \| "6169519" \| "6184841" \| "6437706" \| "6476756").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/02/24 11:12 |
| S93 | 698 | S86 and S89 | US-PGPUB; USPAT | OR | ON | 2009/02/24 11:34 |
| S94 | 505 | S93 not S91 | US-PGPUB; USPAT | OR | ON | 2009/02/24 11:34 |
| S95 | 18 | ("5117505").URPN. | USPAT | OR | ON | 2009/02/24 12:37 |
| S96 | 240 | (cancel or reduce or mitigate or attenuate) near4 (ICI or distortion or noise or interference) and second near4 antenna near4 (subtract or difference or sum or summation or summing or combine or combining or subtracting or subtraction) | US-PGPUB; USPAT | OR | ON | 2009/02/24 12:46 |
| S97 | 3 | 2003/0207688 | US-PGPUB; USPAT | OR | ON | 2009/02/24 13:01 |
| S98 | 2 | "20030207688" | US-PGPUB; USPAT | OR | ON | 2009/02/24 13:01 |
| S99 | 132 | S96 and S89 | US-PGPUB; USPAT | OR | ON | 2009/02/24 13:04 |
| S100 | 2669 | microwave near4 (radio or rf) and radar | US-PGPUB; USPAT | OR | ON | 2009/02/24 13:51 |
| S101 | 1715 | S100 and S89 | US-PGPUB; USPAT | OR | ON | 2009/02/24 13:52 |
| S102 | 1120 | "spatial derivative" | US-PGPUB; USPAT | OR | ON | 2009/08/21 10:56 |
| S103 | 0 | S102 and diversitty | US-PGPUB; USPAT | OR | ON | 2009/08/21 10:56 |
| S104 | 13 | S102 and diversity | US-PGPUB; USPAT | OR | ON | 2009/08/21 10:56 |

| S105 | 21673 | "spatial" near4 (derivative or filter$3) | US-PGPUB; USPAT | OR | ON | 2009/08/21 10:58 |
|------|-------|------|------|------|------|------|
| S106 | 862 | S105 and diversity | US-PGPUB; USPAT | OR | ON | 2009/08/21 10:59 |
| S107 | 178 | S106 and "455"/$.ccls. | US-PGPUB; USPAT | OR | ON | 2009/08/21 10:59 |
| S108 | 299 | (US-5774795-$ or US-5952897-$ or US-6177906-$ or US-4364048-$ or US-4856084-$ or US-5184076-$ or US-5296866-$ or US-5361074-$ or US-5486830-$ or US-5828331-$ or US-4291310-$ or US-4322857-$ or US-4439770-$ or US-4791390-$ or US-4800369-$ or US-4857935-$ or US-4931977-$ or US-4974086-$ or US-5014061-$ or US-5461386-$ or US-5486833-$ or US-5561430-$ or US-5659300-$ or US-5708443-$ or US-5969332-$ or US-6023203-$).did. or (US-6037903-$ or US-6058318-$ or US-6115409-$ or US-6166683-$ or US-6188348-$ or US-6201841-$ or US-4245348-$ or US-4245334-$ or US-4268829-$ or US-4283767-$ or US-4320523-$ or US-4326289-$ or US-4353068-$ or US-4359738-$ or US-4412341-$ or US-4446433-$ or US-4493111-$ or US-4509209-$ or US-4510490-$ or US-4528566-$ or US-4529984-$ or US-4539710-$ or US-4575709-$ or US-4602274-$ or US-4604626-$ or US-4620315-$).did. or (US-4622543-$ or US-4631495-$ or US-4766384-$ or US-4788501-$ or US-4801941-$ or US-4810980-$ or US-4825214-$ or US-4857852-$ or US-4862182-$ or US-4874319-$ or US-4880212-$ or US-4939766-$ or US-4942534-$ or US-4991585-$ or US-4999636-$ or US-5003911-$ or US-5208756-$ or US-5280641-$ or US-5302957-$ or US-5317266-$ or US-5349700-$ or US-5351057-$ or US-5398276-$ or US-5410750-$ or US-5420568-$ or US-5430378-$ or US-5440310-$).did. or (US-5450089-$ or US-5465408-$ or US-5471196-$ or US-5473252- | USPAT | OR | ON | 2009/08/21 12:20 |

$ or US-5473333-$ or US-5475442-$ or US-5493307-$ or US-5532699-$ or US-5546081-$ or US-5548837-$ or US-5552792-$ or US-5563617-$ or US-5564421-$ or US-5583504-$ or US-5600246-$ or US-5620480-$ or US-5675424-$ or US-5686928-$ or US-5694133-$ or US-5697083-$ or US-5699802-$ or US-5732332-$ or US-5757439-$ or US-5760734-$ or US-5787126-$ or US-5796366-$ or US-5809058-$). did. or (US-5812612-$ or US-5815076-$ or US-5819168-$ or US-5819161-$ or US-5818389-$ or US-5832044-$ or US-5850200-$ or US-5856639-$ or US-5894598-$ or US-5907302-$ or US-5907582-$ or US-5920285-$ or US-5924020-$ or US-5930697-$ or US-5940291-$ or US-5950112-$ or US-5952818-$ or US-5963583-$ or US-5969682-$ or US-5970085-$ or US-5982336-$ or US-5987037-$ or US-5990750-$ or US-5995006-$ or US-6011962-$ or US-6014413-$ or US-6021318-$).did. or (US-6049315-$ or US-6052378-$ or US-6057806-$ or US-6058105-$ or US-6058297-$ or US-6061387-$ or US-6061631-$ or US-6084545-$ or US-6111416-$ or US-6118084-$ or US-6122083-$ or US-6121934-$ or US-6128557-$ or US-6127986-$ or US-6127981-$ or US-6130645-$ or US-6137785-$ or US-6144340-$ or US-6157685-$ or US-6163296-$ or US-6163754-$ or US-6172970-$ or US-6201955-$ or US-6236372-$ or US-6239721-$ or US-6240367-$ or US-4244036-$). did. or (US-4255816-$ or US-4255791-$ or US-4268828-$ or US-4278978-$ or US-4295155-$ or US-4301454-$ or US-4303922-$ or US-4303921-$ or US-4306500-$ or US-4308535-$ or US-4309773-$ or US-4314378-$ or US-4315260-$ or US-4317213-$ or US-4318109-$ or US-4319248-$ or US-4321601-$ or US-4326294-$ or

US-4328589-$ or US-4331958-
$ or US-4332032-$ or US-
4333076-$ or US-4336542-$ or
US-4347627-$ or US-4350985-
$ or US-4352200-$ or US-
4355312-$).did. or (US-
4355411-$ or US-4359734-$ or
US-4360741-$ or US-4360813-
$ or US-4366450-$ or US-
4369521-$ or US-4373210-$ or
US-4376952-$ or US-4378596-
$ or US-4380014-$ or US-
4382259-$ or US-4384331-$ or
US-4387373-$ or US-4397036-
$ or US-4398303-$ or US-
4408205-$ or US-4414687-$ or
US-4417279-$ or US-4429415-
$ or US-4433336-$ or US-
4434440-$ or US-4443790-$ or
US-4450419-$ or US-4451108-
$ or US-4461034-$ or US-
4462098-$ or US-4463308-$).
did. or (US-4464662-$ or US-
4470046-$ or US-4469386-$ or
US-4473755-$ or US-4475715-
$ or US-4491972-$ or US-
4491971-$ or US-4494076-$ or
US-4495653-$ or US-4495851-
$ or US-4498885-$ or US-
4506385-$ or US-RE31851-$ or
US-4509204-$ or US-4511842-
$ or US-4516126-$ or US-
4519096-$ or US-4519003-$ or
US-4518958-$ or US-4520507-
$ or US-4520361-$ or US-
4525869-$ or US-4527160-$ or
US-4532543-$ or US-4532501-
$ or US-4533916-$ or US-
4538175-$).did. or (US-
4542532-$ or US-4544926-$ or
US-4549310-$ or US-4562465-
$ or US-4567591-$ or US-
4573212-$ or US-4574242-$ or
US-4577226-$ or US-4580287-
$ or US-4584709-$ or US-
4586051-$ or US-4594595-$ or
US-4596986-$ or US-4603297-
$ or US-4608701-$ or US-
4609905-$ or US-4613862-$ or
US-4621266-$ or US-4622554-
$ or US-4625210-$ or US-
4626857-$ or US-4626853-$ or
US-4628321-$ or US-4628320-
$ or US-4630119-$ or US-
4631543-$ or US-4631473-$).
did. or (US-4755828-$ or US-
4757322-$ or US-4758839-$ or
US-4758841-$ or US-4763074-

| | | | | | | |
|---|---|---|---|---|---|---|
| | | $ or US-4763082-$ or US-4766383-$ or US-4769853-$ or US-4771287-$ or US-4777438-$ or US-4777491-$ or US-4779620-$ or US-4780721-$ or US-4782307-$ or US-4789897-$ or US-4792760-$ or US-4792991-$ or US-4792992-$ or US-4794400-$ or US-4794929-$ or US-4801940-$ or US-4805229-$ or US-4811031-$ or US-4816766-$ or US-4816834-$ or US-4819053-$ or US-4819069-$).did. or (US-4821120-$ or US-4823134-$ or US-4831384-$).did. | | | | |
| S109 | 0 | S108 and S102 | US-PGPUB; USPAT | OR | ON | 2009/08/21 12:20 |
| S110 | 45 | S108 and spatial | US-PGPUB; USPAT | OR | ON | 2009/08/21 12:20 |
| S111 | 7 | 455/297.ccls. and 455/278.1. ccls. | US-PGPUB; USPAT | OR | ON | 2009/08/21 12:33 |
| S112 | 384 | 455/278.1.ccls. | US-PGPUB; USPAT | OR | ON | 2009/08/21 12:33 |

**3/23/2010 4:59:29 PM**
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